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## THE APRIL MEETING OF THE ROCKY MOUNTAIN SECTION.

The Rocky Mountain Section of the Mathematical Association of America held its annual meeting at Ft. Collins, Colorado, April 12, 1919; the members were royally entertained by President Lory and the professors of Colorado Agricultural College. The papers were extremely interesting and were discussed very thoroughly. The twenty-four persons in attendance included the following thirteen members of the Association: I. M. DeLong, University of Colorado, J. C. Fitterer, University of Wyoming, W. H. Hill, High School, Greeley, Col., Claribel Kendall, University of Colorado, O. C. Lester, University of Colorado, G. H. Light, University of Colorado, S. L. Macdonald, Colorado Agricultural College, O. A. Randolph, University of Colorado, C. B. Ridgaway, University of Wyoming, C. H. Sisam, Colorado College, C. S. Sperry, University of Colorado, T. O. Walton, Colorado School of Mines, and J. W. Woodrow, University of Colorado.

The following papers were read at morning and afternoon sessions:

Generalization of the addition formulæ in trigonometry by Professor I. M. DeLONG, University of Colorado; New experiments for the laboratory course in general physics, and Positions and properties of the cardinal points of a lens system from the standpoint of the wave theory, by Professor J. W. Woodrow, University of Colorado; Probable errors of Mendelian class frequencies by Mr. BREEZE BOYACK, Colorado A. and M. College; Calculation of high frequency resistance of wires by Professor O. C. LESTER, University of Colorado; Development of empirical formulas for the solution of problems in hydraulics by Mr. L. R. PARSHALL, Colorado A. and M. College; Electromagnetic waves on wires by Professor O. A. RANDOLPH, University of Colorado; On non-ruled optic surfaces whose plane sections are elliptical by Professor C. H. SISAM, Colorado College; Some characteristics of the mercury arc by Professor J. W. WOODROW, University of Colorado; An application of hyperbolic functions of a complex quantity to the determination of the performance of long distance alternating current transmission lines by Professor L. S. FOETZ, Colorado A. and M. College.

An invitation from Colorado College to hold the next meeting there was received and accepted. The following were elected officers for the ensuing year:

Chairman: C. H. SISAM, Colorado College.

Vice-chairman: T. O. WALTON, Colorado School of Mines.

Secretary-Treasurer: G. H. LIGHT, University of Colorado.

G. H. LIGHT, *Secretary-Treasurer.*

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ELECTION OF MEMBERS.

The Council of the Association has elected to membership the following persons and institutions:

*To individual membership.*

- W. S. BECKWITH, A.M. (Harvard). Prof., Ohio Northern Univ., Ada, Ohio.  
 B. H. BROWN, A.M. (Brown). Instr., Harvard Univ., 1919-20.  
 MRS. THEODOSIA T. CALLAWAY, B.S. (Columbia). Prof., Stephens Coll.,  
 Columbia, Mo.  
 JESSIE R. CAMPBELL, A.B. (Syracuse). Instr., Hollywood Junior Coll., Los  
 Angeles, Calif.  
 W. P. DOBSON, M.A.Sc. (Toronto). Lab. Engr., Hydro Elec. Power Commission  
 of Ontario, Toronto, Can.  
 PHILIP FRANKLIN, B.S. (Coll. of the City of New York). Ballistic Computer,  
 Ord. Dept., Aberdeen Proving Ground, Md.  
 ELIZABETH FREAS, A.B. (Lake Erie). Computer, Coast and Geod. Survey,  
 Washington, D. C.  
 J. S. GEORGES. Student, Maryville Coll., Maryville, Tenn.  
 ADELE C. HOLTWICK, A.M. (Washburn). Instr., Henry Kendall Coll., Tulsa,  
 Okla.  
 ROBERT MASSEY, B.A. (Queen's Univ., Belfast). Prin., Prevocational Sch.,  
 Calgary, Alb., Canada.  
 REV. L. F. OTT, S.J. Prof. Canisius Coll., Buffalo, N. Y.  
 F. W. PARSONS, B.S. in E. E. (Ohio Northern). Asst., Ohio Northern Univ.,  
 Ada, Ohio.  
 ANNA B. PECKHAM, A.M. (Denison). Asso. Prof., Denison Univ., Granville,  
 Ohio.  
 R. V. PRITCHARD, B.S. (Centr. Normal Coll.) Instr., Case Sch. of Applied Sc.,  
 Cleveland, Ohio.  
 REV. PATRICK RAFFERTY, S.J. Prof., Coll. of the Holy Cross, Worcester, Mass.  
 J. C. ROGERS, B.S. (Earlham). Dean, Piedmont Coll., Demorest, Ga.  
 MAX SHAMOS. Engr., Cleveland, Ohio.  
 MARGARETHE M. SMITH, A.M. (Radcliffe). Instr., Wilson Coll., Chambersburg,  
 Pa.  
 EUGENE STEPHENS, St. Louis, Mo.  
 J. H. TANNER, Ph.D. (New Hampshire Coll.). Prof., Cornell Univ., Ithaca, N. Y.  
 A. P. WHISENHUNT, A. M. (Lenoir; Catawba). Head of Dept. of Math.,  
 Catawba Coll., Newton, N. C.

*To institutional membership (with the official representative).*

- UNIVERSITY OF ARIZONA, Tucson, Ariz. Pres. R. B. von Kleinsmid.  
 ST. OLAF COLLEGE, Northfield, Minn. Prof. P. G. Schmidt.  
 ADELPHI COLLEGE, Brooklyn, N. Y. Dr. F. D. Blodgett.  
 CANISIUS COLLEGE, Buffalo, N. Y. Pres. M. J. Ahern.  
 BETHANY COLLEGE, Bethany, W. Va. Prof. E. H. Vance.  
 W. D. CAIRNS, *Secretary-Treasurer.*